Project Title	Funding	Strategic Plan Objective	Institution
Primate models of autism	$75,629	Q2.S.A	University of California, Davis
The pathogenesis of autism: Maternal antibody exposure in the fetal brain	$93,500	Q2.S.A	The Feinstein Institute for Medical Research
Prostaglandins and cerebellum development	$371,250	Q2.S.A	University of Maryland, Baltimore
A primate model of gut, immune, and CNS response to childhood vaccines	$156,634	Q2.S.A	University of Washington
Systematic characterization of the immune response to gluten and casein in autism spectrum disorders	$0	Q2.S.A	Weill Cornell Medical College
Mechanisms of mitochondrial dysfunction in autism	$0	Q2.S.A	Georgia State University
CNS toxicity of ambient air pollution: Postnatal exposure to ultrafine particles	$229,433	Q2.S.A	University of Rochester
Role of microglial activation in the serotonergic and neuroimmune disturbances underlying autism	$0	Q2.S.A	Hamamatsu University School of Medicine
Investigation of IL-9, IL-33 and TSLP in serum of autistic children	$8,650	Q2.S.A	Tufts University School of Medicine
A role for immune molecules in cortical connectivity: Potential implications for autism	$0	Q2.S.A	University of California, Davis
Redox abnormalities as a vulnerability phenotype for autism and related alterations in CNS development	$0	Q2.S.A	State University of New York at Potsdam
How does IL-6 mediate the development of autism-related behaviors?	$0	Q2.S.A	California Institute of Technology
Redox abnormalities as a vulnerability phenotype for autism and related alterations in CNS development	$0	Q2.S.A	Arkansas Children's Hospital Research Institute
Redox abnormalities as a vulnerability phenotype for autism and related alterations in CNS development	$0	Q2.S.A	University of Rochester
Maternal infection and autism: Impact of placental sufficiency and maternal inflammatory responses on fetal brain development	$108,375	Q2.S.A	Stanford University
GABA(A) and prenatal immune events leading to autism	$62,500	Q2.S.A	Stanford University
A non-human primate autism model based on maternal infection	$200,000	Q2.S.A	California Institute of Technology
A non-human primate autism model based on maternal immune activation	$75,629	Q2.S.A	University of California, Davis
The mechanism of the maternal infection risk factor for autism	$0	Q2.S.A	California Institute of Technology
Influence of maternal cytokines during pregnancy on effector and regulatory T helper cells as etiological factors in autism	$93,500	Q2.S.A	University of Medicine & Dentistry of New Jersey
Influence of the maternal immune response on the development of autism	$0	Q2.S.A	University of Medicine & Dentistry of New Jersey
Hyperthermia and the amelioration of autism symptoms	$0	Q2.S.A	Montefiore Medical Center
Exploring metabolic dysfunction in the brains of people with autism	$59,856	Q2.S.A	George Washington University

Project Title	Funding	Strategic Plan Objective	Institution
Autoimmunity against novel antigens in neuropsychiatric dysfunction	$320,000	Q2.S.A	University of Pennsylvania
The Study of Toddlers with Autism and Regression (STAR) Protocol – Screening for treatable disorders and biomarkers of inflammation and immune activation in the plasma and CNS	$158,461	Q2.S.A	Surrey Place Centre, Toronto
A sex-specific dissection of autism genetics	$150,000	Q2.S.B	University of California, San Francisco
Enhanced tissue procurement from autistic indivdiuals	$22,000	Q2.S.C	NICHD (National Institute of Child Health & Human Development) Brain and Tissue Bank for Developmental Disorders, University of Maryland
Autism phenotypes in Tuberous Sclerosis: Risk factors, features & architecture	$0	Q2.S.D	King's College London
The role of intracellular metabotropic glutamate receptor 5 at the synapse	$26,338	Q2.S.D	Washington University in St. Louis
Development of novel diagnostics for fragile X syndrome	$537,123	Q2.S.D	JS Genetics, Inc.
Quantitative proteomic approach towards understanding and treating autism	$112,500	Q2.S.D	Emory University
Revealing protein synthesis defects in fragile X syndrome with new chemical tools	$315,341	Q2.S.D	Stanford University
Modulation of fxr1 splicing as a treatment strategy for autism in fragile X syndrome	$0	Q2.S.D	Stanford University
Role of intracellular mGluR5 in fragile X syndrome and autism	$150,000	Q2.S.D	Washington University in St. Louis
L-type calcium channel regulation of neuronal differentiation	$32,129	Q2.S.D	Stanford University
MeCP2 modulation of bdnf signaling: Shared mechanisms of Rett and autism	$314,059	Q2.S.D	University of Alabama at Birmingham
Sex differences in early brain development; Brain development in turner syndrome	$156,841	Q2.S.D	University of North Carolina at Chapel Hill
New approaches to local translation: SpaceSTAMP of proteins synthesized in axons	$246,254	Q2.S.D	Dana-Farber Cancer Institute
Regulation of synapse elimination by FMRP	$54,734	Q2.S.D	University of Texas Southwestern Medical Center
Olfactory abnormalities in the modeling of Rett syndrome	$351,575	Q2.S.D	Johns Hopkins University
A cerebellar mutant for investigating mechanisms of autism in Tuberous Sclerosis	$0	Q2.S.D	Boston Children's Hospital
Aberrant synaptic form and function due to TSC-mTOR-related mutation in autism spectrum disorders	$300,000	Q2.S.D	Columbia University
Aberrant synaptic function caused by TSC mutation in autism	$0	Q2.S.D	Columbia University
Presynaptic fragile X proteins	$90,000	Q2.S.D	Brown University
In-vivo imaging of neuronal structure and function in a reversible mouse model for autism.	$28,000	Q2.S.D	Baylor College of Medicine

Project Title	Funding	Strategic Plan Objective	Institution
Probing a monogenic form of autism from molecules to behavior	$187,500	Q2.S.D	Stanford University
Functional circuit disorders of sensory cortex in ASD and RTT	$254,976	Q2.S.D	University of Pennsylvania
Elucidation and rescue of amygdala abnormalities in the Fmr1 mutant mouse model of fragile X syndrome	$150,000	Q2.S.D	George Washington University
Synaptic phenotype, development, and plasticity in the fragile X mouse	$401,852	Q2.S.D	University of Illinois at Urbana Champaign
The functional link between DISC1 and neuroligins: Two genetic factors in the etiology of autism	$0	Q2.S.D	Children's Memorial Hospital, Chicago
Allelic choice in Rett syndrome	$390,481	Q2.S.D	Winifred Masterson Burke Medical Research Institute
Predicting phenotypic trajectories in Prader-Willi syndrome	$310,752	Q2.S.D	Vanderbilt University
Activity-dependent phosphorylation of MeCP2	$174,748	Q2.S.D	Harvard Medical School
dFMRP and Caprin: Translational regulators of synaptic plasticity	$12,768	Q2.S.D	University of Washington
Grammatical development in boys with fragile X syndrome and autism	$148,500	Q2.S.D	University of Wisconsin - Madison
Investigation of protocadherin-10 in MEF2- and FMRP-mediated synapse elimination	$51,326	Q2.S.D	University of Texas Southwestern Medical Center
Dysregulation of mTOR signaling in fragile X syndrome	$403,767	Q2.S.D	Albert Einstein College of Medicine of Yeshiva University
Genetic rescue of fragile X syndrome in mice by targeted deletion of PIKE	$60,000	Q2.S.D	Albert Einstein College of Medicine of Yeshiva University
BDNF and the restoration of synaptic plasticity in fragile X and autism	$490,756	Q2.S.D	University of California, Irvine
Mouse models of the neuropathology of tuberous sclerosis complex	$253,177	Q2.S.D	University of Texas Health Science Center at Houston
The microRNA pathway in translational regulation of neuronal development	$352,647	Q2.S.D	University of Massachusetts Medical School
Cortical circuit changes and mechanisms in a mouse model of fragile X syndrome	$278,656	Q2.S.D	University of Texas Southwestern Medical Center
Neuronal activity-dependent regulation of MeCP2	$426,857	Q2.S.D	Harvard Medical School
The role of UBE3A in autism	$62,500	Q2.S.D	Harvard Medical School
Genotype-phenotype relationships in fragile X families	$530,124	Q2.S.D	University of California, Davis
Limbic system function in carriers of the fragile X premutation (supplement)	$382,500	Q2.S.D	University of California, Davis
Limbic system function in carriers of the fragile X premutation	$677,700	Q2.S.D	University of California, Davis
Study of fragile X mental retardation protein in synaptic function and plasticity	$366,516	Q2.S.D	University of Texas Southwestern Medical Center

Project Title	Funding	Strategic Plan Objective	Institution
Mechanisms of mGluR5 function and dysfunction in mouse autism models	$419,137	Q2.S.D	University of Texas Southwestern Medical Center
Mechanisms of synapse elimination by autism-linked genes	$75,000	Q2.S.D	University of Texas Southwestern Medical Center
Coordinated control of synapse development by autism-linked genes	$75,000	Q2.S.D	University of Texas Southwestern Medical Center
MicroRNAs in synaptic plasticity and behaviors relevant to autism	$131,220	Q2.S.D	Massachusetts General Hospital
Regulation of 22q11 genes in embroyonic and adult forebrain	$308,631	Q2.S.D	George Washington University
The role of MeCP2 in Rett syndrome	$329,781	Q2.S.D	University of California, Davis
The role of MeCP2 in Rett syndrome (supplement)	$38,273	Q2.S.D	University of California, Davis
Mouse models of human autism spectrum disorders: Gene targeting in specific brain regions	$300,000	Q2.S.D	University of Texas Southwestern Medical Center
Identification of targets for the neuronal E3 ubiquitin ligase PAM	$60,000	Q2.S.D	Massachusetts General Hospital
Augmentation of the cholinergic system in fragile X syndrome: a double-blind placebo study	$237,600	Q2.S.D	Stanford University
Proteomics in drosophila to identify autism candidate substrates of UBE3A	$313,159	Q2.S.D	University of Tennessee Health Science Center
Proteomics in drosophila to identify autism candidate substrates of UBE3A (supplement)	$29,600	Q2.S.D	University of Tennessee Health Science Center
Pleiotropic roles of dyslexia genes in neurodevelopmental language impairments	$41,800	Q2.S.D	Yale University
Genetically defined stem cell models of Rett and fragile X syndrome	$175,000	Q2.S.D	Whitehead Institute for Biomedical Research
TrkB agonist therapy for sensorimotor dysfunction in Rett syndrome	$0	Q2.S.D	Case Western Reserve University
Neurobiology of RAI1, the causal gene for Smith-Magenis syndrome	$31,022	Q2.S.D	Stanford University
Mesocorticolimbic dopamine circuitry in mouse models of autism	$87,337	Q2.S.D	Stanford University
Investigating the homeostatic role of MeCP2 in mature brain	$35,400	Q2.S.D	Baylor College of Medicine
A stem cell based platform for identification of common defects in autism spectrum disorders	$28,000	Q2.S.D	Scripps Research Institute
Mechanism of UBE3A imprint in neurodevelopment	$33,616	Q2.S.D	University of California, Davis
Pathophysiology of MeCP2 spectrum disorders	$170,383	Q2.S.D	Baylor College of Medicine
Underlying mechanisms in a cerebellum-dependent model of autism	$0	Q2.S.D	Harvard Medical School
Emergence and stability of autism in fragile X syndrome	$358,000	Q2.S.D	University of South Carolina

Project Title	Funding	Strategic Plan Objective	Institution
Epileptiform discharges and its relation to cognition and behavior in children with autism spectrum disorders	$206,475	Q2.S.E	Vanderbilt University
ACE Center: Structural and chemical brain imaging of autism	$509,634	Q2.S.E	University of Washington
Selective disruption of hippocampal dentate granule cells in autism: Impact of PTEN deletion	$367,500	Q2.S.E	Cincinnati Children's Hospital Medical Center
Gastrointestinal functions in autism	$0	Q2.S.E	University at Buffalo, The State University of New York
Characterizing sleep disorders in autism spectrum disorder	$112,064	Q2.S.E	Stanford University
The effects of disturbed sleep on sleep-dependent memory consolidation and daily function in individuals with ASD	$89,545	Q2.S.E	Beth Israel Deaconess Medical Center
Sensory mechanisms and self-injury	$392,262	Q2.S.E	University of Minnesota
Functional neuroimaging of attention in autism	$234,240	Q2.S.E	University of Pennsylvania/Children's Hospital of Philadelphia
Single-unit recordings from the amygdala in people with autism	$54,000	Q2.S.E	California Institute of Technology
Molecular components of A-type K+ channels	$363,366	Q2.S.E	New York University School of Medicine
Treatment of medical conditions among individuals with autism spectrum disorders	$264,726	Q2.S.E	National Institutes of Health
Self-regulation and sleep in children at risk for autism spectrum disorders	$90,000	Q2.S.E	University of California, Davis
Altered gastrointestinal function in the neuroligin-3 mouse model of autism	$69,813	Q2.S.E	University of Melbourne
Understanding the cognitive impact of early life epilepsy	$836,550	Q2.S.E	Boston Children's Hospital
Etiology of sleep disorders in ASD: Role of inflammatory cytokines	$0	Q2.S.E	University of Maryland, Baltimore
Assessing sleep regulation, sleep-dependent memory consolidation, and sleep-dependent synaptic plasticity in mouse genetic models of schizophrenia and autism spectrum disorders	$0	Q2.S.E	University of Pennsylvania
Molecular mechanisms linking early life seizures, autism and intellectual disability	$332,369	Q2.S.E	University of Colorado Denver
Altered gastrointestinal function in the neuroligin-3 mouse model of autism	$50,434	Q2.S.E	University of Melbourne
The role of mTOR inhibitors in the treatment of autistic symptoms in symptomatic infantile spasms	$60,000	Q2.S.E	Albert Einstein College of Medicine of Yeshiva University
Characterization of the sleep phenotype in adolescents and adults with autism spectrum disorder	$0	Q2.S.E	Vanderbilt University
Neuroendocrine regulation of metabolism and neurocognition	$434,644	Q2.S.E	National Institutes of Health

Project Title	Funding	Strategic Plan Objective	Institution
Altered gastrointestinal function in the neuroligin-3 mouse model of autism	$281,742	Q2.S.E	University of Melbourne
Salivary melatonin as a biomarker for response to sleep interventions in children with autism	$58,397	Q2.S.E	University of Colorado Denver
Vaccination with regression study	$0	Q2.S.F	Kaiser Permanente Georgia
Neuroimmunologic investigations of autism spectrum disorders (ASD)	$264,726	Q2.S.F	National Institutes of Health
Investigating the etiology of childhood disintegrative disorder	$74,983	Q2.S.F	Yale University
Simons Variation in Individuals Project (VIP) Site	$465,813	Q2.S.G	University of Washington
Autistic traits: Life course & genetic structure	$548,446	Q2.S.G	Washington University in St. Louis
ACE Center: Genetics of serotonin in autism: Neurochemical and clinical	$378,379	Q2.S.G	University of Illinois at Chicago
Mechanisms for 5-HTT control of PPI and perseverative behavior using mouse models	$375,589	Q2.S.G	University of Chicago
Simons Variation in Individuals Project (VIP) Site	$509,875	Q2.S.G	Boston Children's Hospital
Simons Variation in Individual Project (Simons VIP) Core Leader Gift	$8,244	Q2.S.G	Boston Children's Hospital
Simons Variation in Individuals Project (Simons VIP)	$612,679	Q2.S.G	Emory University
Identifying the gene in 17q12 responsible for neuropsychiatric phenotypes	$92,640	Q2.S.G	Emory University
Neural correlates of restricted, repetitive behaviors in autism spectrum disorders	$0	Q2.S.G	Massachusetts General Hospital
An investigation of the overlap of autism and fragile X syndrome	$71,632	Q2.S.G	University of North Carolina at Chapel Hill
Social cognition in 22q11.2 deletion syndrom (DS) adolescents with ASD vs. without ASD: Imaging and genetic correlates	$28,000	Q2.S.G	State University of New York Upstate Medical Center
Genome-wide identification of variants affecting early human brain development	$504,632	Q2.S.G	University of North Carolina at Chapel Hill
Simons Variation in Individuals Project (VIP) Functional Imaging Site	$320,196	Q2.S.G	University of California, San Francisco
Simons Variation in Individuals Project (VIP) Core Neuroimaging Support Site	$368,786	Q2.S.G	University of California, San Francisco
Simons Variation in Individuals Project (Simons VIP) Core Leader Gift	$12,980	Q2.S.G	University of California, San Francisco
Characterizing the genetic systems of autism through multi-disease analysis	$560,935	Q2.S.G	Harvard Medical School
Functional imaging of flexibility in autism: Informed by SLC6A4	$132,748	Q2.S.G	Children's Research Institute

Project Title	Funding	Strategic Plan Objective	Institution
Neural correlates of restricted, repetitive behaviors in autism spectrum disorders	$0	Q2.S.G	Massachusetts General Hospital
Relating copy number variants to head and brain size in neuropsychiatric disorders	$374,659	Q2.S.G	University of California, San Diego
Neurogenic growth factors in autism	$0	Q2.S.G	Yale University
Social processing, language, and executive functioning in twin pairs: Electrophysiological and behavioral endophenotypes	$150,000	Q2.S.G	University of Washington
ACE Center: Genetic contributions to endophenotypes of autism	$563,757	Q2.S.G	University of Washington
The brain genomics superstruct project	$75,000	Q2.S.G	President & Fellows of Harvard College
Simons Variation in Individuals Project (VIP) Imaging Analysis Site	$28,560	Q2.S.G	Harvard University
Simons Variation in Individuals Project (VIP) Principal Investigator	$20,272	Q2.S.G	Columbia University
Simons Variation in Individuals Project (Simons VIP) Principal Investigator Gift	$48,731	Q2.S.G	Columbia University
The genetic basis of mid-hindbrain malformations	$805,771	Q2.S.G	Seattle Children's Hospital
Simons Variation in Individuals Project (VIP) Statistical Core Site	$131,768	Q2.S.G	Columbia University
ACE Center: Genetics of language & social communication: Connecting genes to brain & cognition	$324,642	Q2.S.G	University of California, Los Angeles
A neuroimaging study of twin pairs with autism	$625,808	Q2.S.G	Stanford University
Autism: Neuropeptide hormones and potential pathway genes	$185,370	Q2.S.G	University of Illinois at Chicago
Genetic dissection of restricted repetitive behavior (RRB)	$180,303	Q2.S.G	Seattle Children's Hospital
Genetic dissection of restricted repetitive behavior (RRB)	$22,813	Q2.S.G	University of Florida
Simons Variation in Individuals Project (VIP) Site	$406,581	Q2.S.G	Baylor College of Medicine
fMRI evidence of genetic influence on rigidity in ASD	$0	Q2.S.G	University of Michigan
A family-genetic study of language in autism	$389,948	Q2.S.G	Northwestern University
A Multigenerational longitudinal study of language development: Insight from autism	$0	Q2.S.G	Northwestern University
A multigenerational longitudinal study of language development: Insight from autism	$0	Q2.S.G	University of North Carolina at Chapel Hill
Neural correlates of serotonin transporter gene polymorphisms and social impairment in ASD	$127,500	Q2.S.G	University of Michigan
Language processing in children with 22q11 deletion syndrome and autism	$0	Q2.S.G	Emory University
Longitudinal neurogenetics of atypical social brain development in autism	$876,490	Q2.S.G	Yale University

Project Title	Funding	Strategic Plan Objective	Institution
Neural circuitry of social cognition in the broad autism phenotype	$405,855	Q2.S.G	University of North Carolina at Chapel Hill
Simons Variation in Individuals Project (VIP) Recruitment Coordination Site	$66,702	Q2.S.G	Weis Center For Research - Geisinger Clinc
Simons Variation in Individuals Project (VIP) Functional Imaging Site	$303,305	Q2.S.G	Children's Hospital of Philadelphia
Simons Variation in Individuals Project (VIP) Structural Imaging and Phenotyping Site - SCAP-local	$0	Q2.S.G	Children's Hospital of Philadelphia
Pragmatic skills of young males and females with fragile X syndrome	$396,073	Q2.L.A	University of North Carolina at Chapel Hill
20-year outcome of autism	$150,000	Q2.L.A	University of Utah
MRI study of brain development in school age children with autism	$126,978	Q2.L.A	University of North Carolina at Chapel Hill
Investigation of the link between early brain enlargement and abnormal functional connectivity in autism spectrum disorders	$117,156	Q2.L.A	University of Washington
Longitudinal characterization of functional connectivity in autism	$182,352	Q2.L.A	University of Utah
Functional neuroimaging of psychopharmacologic intervention for autism	$162,009	Q2.L.B	University of North Carolina at Chapel Hill
The Brain Genomics Superstruct Project	$0	Q2.L.B	Harvard University
A study of autism	$162,232	Q2.L.B	University of Pennsylvania
Near-infrared spectroscopy studies of early neural signatures of autism	$0	Q2.L.B	Yale University
Glutamate signaling in children with autism spectrum disorder	$57,840	Q2.Other	University of California, Davis
Architecture of myelinated axons linking frontal cortical areas	$0	Q2.Other	Boston University
Social and affective components of communication	$298,757	Q2.Other	Salk Institute For Biological Studies
Taste, smell, and feeding behavior in autism: A quantitative traits study	$570,508	Q2.Other	University of Rochester
Elucidation of the developmental role of Jakmip1, an autism-susceptibility gene	$31,042	Q2.Other	University of California, Los Angeles
Development of brain connectivity in autism	$0	Q2.Other	New York School of Medicine
Neocortical mechanisms of categorical speech perception	$240,744	Q2.Other	University of California, San Francisco
Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	$0	Q2.Other	Research Foundation for Mental Hygiene, Inc.
The neural correlates of transient and sustained executive control in children with autism spectrum disorder	$0	Q2.Other	University of Missouri

Project Title	Funding	Strategic Plan Objective	Institution
Caspr2 as an autism candidate gene: A proteomic approach to function & structure	$312,000	Q2.Other	University of Medicine & Dentistry of New Jersey - Robert Wood Johnson Medical School
Cellular characterization of Caspr2	$24,666	Q2.Other	University of California, San Diego
Neuroligins and neurexins as autism candidate genes: Study of their association in synaptic connectivity	$0	Q2.Other	University of California, San Diego
ACE Center: Diffusion tensor MRI + histopathology of brain microstructure + fiber pathways	$1	Q2.Other	University of Pittsburgh
Psychobiological investigation of the socioemotional functioning in autism	$347,305	Q2.Other	Vanderbilt University
Atypical architecture of prefrontal cortex in young children with autism	$565,183	Q2.Other	University of California, San Diego
fMRI studies of neural dysfunction in autistic toddlers	$536,393	Q2.Other	University of California, San Diego
ACE Center: Mirror neuron and reward circuitry in autism	$302,654	Q2.Other	University of California, Los Angeles
Neurobiological mechanisms of insistence on sameness in autism	$0	Q2.Other	University of Illinois at Chicago
Self-injurious behavior: An animal model of an autism endophenotype	$0	Q2.Other	University of Florida
Molecular mechanisms regulating synaptic strength	$293,266	Q2.Other	Washington University in St. Louis
Neural systems for the extraction of socially-relevant information from faces	$51,783	Q2.Other	Dartmouth College
Canonical neural computation in autism spectrum disorders	$200,717	Q2.Other	New York University
Neural basis of cross-modal influences on perception	$154,104	Q2.Other	University of California, San Diego
Collaborative research: The path to verb learning	$0	Q2.Other	Temple University
Exploring the uncanny valley	$0	Q2.Other	Carnegie Mellon University
Collaborative research: Learning complex auditory categories	$0	Q2.Other	Carnegie Mellon University
Collaborative research: Modeling perception and memory: Studies in priming	$0	Q2.Other	University of California, San Diego
Retrograde synaptic signaling by Neurexin and Neuroligin in C. elegans	$250,000	Q2.Other	Massachusetts General Hospital
Developing novel automated apparatus for studying battery of social behaviors in mutant mouse models for autism	$0	Q2.Other	Weizmann Institute of Science
Role of GluK6 in cerebella circuitry development	$55,826	Q2.Other	Yale University
Development of face processing expertise	$350,596	Q2.Other	University of Toronto
Multiple systems in theory of mind development	$0	Q2.Other	Rutgers, The State University of New Jersey - New Brunswick
Synchronous activity in networks of electrically coupled cortical interneurons	$0	Q2.Other	University of California, Davis

Project Title	Funding	Strategic Plan Objective	Institution
Neurocognitive mechanisms underlying children's theory of mind development	$74,160	Q2.Other	University of California, San Diego
Collaborative research: Learning complex auditory categories	$0	Q2.Other	University of Arizona
A developmental social neuroscience approach to perception-action relations	$0	Q2.Other	Temple University
Cognitive control of emotion in autism	$103,256	Q2.Other	University of Pittsburgh
Ube3a requirements for structural plasticity of synapses	$0	Q2.Other	University of North Carolina at Chapel Hill
CDI-TYPE II: From language to neural representations of meaning	$0	Q2.Other	Carnegie Mellon University
HCC:Small:Computational studies of social nonverbal communication	$0	Q2.Other	University of Southern California
Neuroimaging of social perception	$242,812	Q2.Other	University of Virginia
Cell adhesion molecules in CNS development	$535,691	Q2.Other	Scripps Research Institute
Elucidating the function of class 4 semaphorins in GABAergic synapse formation	$337,818	Q2.Other	Brandeis University
Longitudinal neurodevelopment of auditory and language cortex in autism	$27,942	Q2.Other	University of Utah
MET signaling in neural development and circuitry formation	$83,810	Q2.Other	University of Southern California
Serotonin signal transduction in two groups of autistic patients	$0	Q2.Other	University of Illinois at Chicago
CAREER: Integrative behavioural and neurophysiological studies of normal and autistic cognition using video game environments	$0	Q2.Other	Cornell University
Collaborative research: RUI: Perceptual pick-up processes in interpersonal coordination	$0	Q2.Other	College of the Holy Cross
Glial control of neuronal receptive ending morphology	$418,275	Q2.Other	Rockefeller University
Collaborative research: Modeling perception and memory: Studies in priming	$0	Q2.Other	Indiana University
fMRI study of reward responsiveness of children with autism spectrum disorder	$53,566	Q2.Other	University of California, Los Angeles
Kinetics of drug macromolecule complex formation	$712,920	Q2.Other	University of California, San Diego
Attentional distribution and word learning in children with autism	$0	Q2.Other	Brown University
Imaging PTEN-induced changes in adult cortical structure and function in vivo	$300,339	Q2.Other	University of California, Los Angeles
CAREER: Dissecting the neural mechanisms for face detection	$0	Q2.Other	California Institute of Technology
Structural and functional connectivity of large-scale brain networks in autism spectrum disorders	$168,978	Q2.Other	Stanford University

Project Title	Funding	Strategic Plan Objective	Institution
Defining the dynamics of the default network with direct brain recordings and functional MRI	$144,317	Q2.Other	University of Washington
Dimensions of mind perception	$0	Q2.Other	Harvard University
Action anticipation in infants	$98,745	Q2.Other	University of Chicago
Brain lipid rafts in cholesterol biosynthesis disorders	$60,480	Q2.Other	Medical College of Wisconsin
Statistical analysis of biomedical imaging data in curved space	$326,619	Q2.Other	University of North Carolina at Chapel Hill
Towards an endophenotype for amygdala dysfunction	$380,304	Q2.Other	California Institute of Technology
Multimodal studies of executive function deficits in autism spectrum disorders	$51,942	Q2.Other	Massachusetts General Hospital
Autism and the insula: Genomic and neural circuits	$506,341	Q2.Other	California Institute of Technology
Anatomy of primate amygdaloid complex	$75,629	Q2.Other	University of California, Davis
CAREER: Model-based fMRI of human object recognition	$0	Q2.Other	Georgetown University
Neural synchronydysfunction of gamma oscillations in autism	$265,073	Q2.Other	University of Colorado Denver
Regulation of activity-dependent ProSAp2 synaptic dynamics	$33,879	Q2.Other	Stanford University
To study the relationship between decreased hepatocyte growth factor (HGF) and glutamate excitotoxicity in autistic children	$7,228	Q2.Other	Health Research Institute/Pfeiffer Treatment Center
Perturbed activity-dependent plasticity mechanisms in autism	$158,034	Q2.Other	Harvard Medical School
Multidimensional impact of pain on individuals and family functioning in ASD	$13,000	Q2.Other	The Research Foundation of the State University of New York
Neural mechanisms for social cognition in autism spectrum disorders	$112,523	Q2.Other	Massachusetts Institute of Technology
CAREER: Typical and atypical development of brain regions for theory of mind	$27,670	Q2.Other	Massachusetts Institute of Technology
Behavioral and sensory evaluation of auditory discrimination in autism	$178,529	Q2.Other	University of Massachusetts Medical School
Are neuronal defects in the cerebral cortex linked to autism?	$0	Q2.Other	Memorial Sloan-Kettering Cancer Center
The effects of autism on the sign language development of deaf children	$47,210	Q2.Other	Boston University
Autism spectrum disorders and the visual analysis of human motion	$125,000	Q2.Other	Rutgers, The State University of New Jersey
Multisensory integration and temporal synchrony in autism	$35,100	Q2.Other	University of Rochester
Cognitive control in autism	$152,627	Q2.Other	University of California, Davis

Project Title	Funding	Strategic Plan Objective	Institution
Learning in autism spectrum disorders	$0	Q2.Other	University of California, Davis
Computational characterization of language use in autism spectrum disorder	$759,606	Q2.Other	Oregon Health & Science University
ACE Center: Neuroimaging studies of connectivity in ASD	$324,271	Q2.Other	Yale University
Phonological processing in the autism spectrum	$0	Q2.Other	Heriot-Watt University
ACE Center: Development of categorization, facial knowledge in low & high functioning autism	$392,439	Q2.Other	University of Pittsburgh
Function of neurexins	$466,651	Q2.Other	Stanford University
Function and dysfunction of neuroligins in synaptic circuits	$450,000	Q2.Other	Stanford University
Learning and compression in human working memory	$84,000	Q2.Other	Harvard University
ACE Center: Cognitive affective and neurochemical processes underlying is in autism	$378,379	Q2.Other	University of Illinois at Chicago
Using functional physiology to uncover the fundamental principles of visual cortex	$307,593	Q2.Other	Carnegie Mellon University
Cognitive mechanisms of serially organized behavior	$346,928	Q2.Other	Columbia University
Imaging synaptic neurexin-neuroligin complexes by proximity biotinylation: Applications to the molecular pathogenesis of autism	$0	Q2.Other	Massachusetts Institute of Technology
Regulation of synaptogenesis by cyclin-dependent kinase 5	$180,264	Q2.Other	Massachusetts Institute of Technology
Role of micro-RNAs in ASD affected circuit formation and function	$127,383	Q2.Other	University of California, San Francisco
Functional anatomy of face processing in the primate brain	$1,720,556	Q2.Other	National Institutes of Health
Morphogenesis and function of the cerebral cortex	$409,613	Q2.Other	Yale University
Neuroimaging of top-down control and bottom-up processes in childhood ASD	$386,859	Q2.Other	Georgetown University
Genetic studies of autism-related Drosophila neurexin and neuroligin	$550,000	Q2.Other	University of North Carolina at Chapel Hill
Head-fixed recording of sensory learning in mouse autism models	$60,000	Q2.Other	Princeton University
Physiology of attention and regulation in children with ASD and LD	$352,532	Q2.Other	Seattle Children's Hospital
Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	$0	Q2.Other	Research Foundation for Mental Hygiene, Inc.
Role of autism-susceptibility gene, CNTNAP2, in neural circuitry for vocal communication	$0	Q2.Other	University of California, Los Angeles
MEG investigation of phonological processing in autism	$0	Q2.Other	University of Colorado Denver

Project Title	Funding	Strategic Plan Objective	Institution
Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	$0	Q2.Other	Research Foundation for Mental Hygiene, Inc.
Imaging signal transduction in single dendritic spines	$382,200	Q2.Other	Duke University
Young development of a novel pet ligand for detecting oxytocin receptors in brain	$261,360	Q2.Other	Emory University
High-throughput DNA sequencing method for probing the connectivity of neural circuits at single-neuron resolution	$430,650	Q2.Other	Cold Spring Harbor Laboratory
Functional analysis of neurexin IV in Drosophila	$68,652	Q2.Other	University of California, Los Angeles
A neural model of fronto-parietal mirror neuron system dynamics	$183,344	Q2.Other	University of Maryland, College Park
CAREER: The role of prosody in word segmentation and lexical access	$0	Q2.Other	Michigan State University
Neural mechanisms of tactile sensation in rodent somatosensory cortex	$256,605	Q2.Other	University of California, Berkeley
Inhibitory mechanisms for sensory map plasticity in cerebral cortex	$320,399	Q2.Other	University of California, Berkeley
Collaborative research: The path to verb learning	$0	Q2.Other	University of Delaware
Communicative and emotional facial expression production in children with autism	$171,215	Q2.Other	University of Massachusetts Medical School
Identification of candidate genes at the synapse in autism spectrum disorders	$169,422	Q2.Other	Yale University
Cross-modal interactions between vision and touch	$480,343	Q2.Other	Emory University
Global & targeted profiling of protein, phospho and O-GlcNAc to understand synapses	$994	Q2.Other	University of California, San Francisco
Typical and pathological cellular development of the human amygdala	$383,750	Q2.Other	University of California, Davis
Metacognition in comparative perspective	$210,896	Q2.Other	University at Buffalo, The State University of New York
In vivo targeted gene silencing, a novel method	$218,472	Q2.Other	Indiana University-Purdue University Indianapolis
Presynaptic regulation of quantal size by the cation/H+ exchangers NHE6 & NHE9	$29,650	Q2.Other	University of California, Berkeley
Neuropeptide regulation of juvenile social behaviors	$14,755	Q2.Other	Boston College
Novel computational methods for higher order diffusion MRI in autism	$665,572	Q2.Other	University of Pennsylvania
Neural basis of behavioral flexibility	$360,214	Q2.Other	Mount Sinai School of Medicine
Neuroprotective effects of oxytocin receptor signaling in the enteric nervous system	$25,000	Q2.Other	Columbia University
Neuropathology of the social-cognitive network in Autism: a comparison with other structural theories	$100,198	Q2.Other	University of Oxford
GABAergic dysfunction in autism	$278,486	Q2.Other	University of Minnesota

Project Title	Funding	Strategic Plan Objective	Institution
The integration of interneurons into cortical microcircuits	$75,000	Q2.Other	New York University School of Medicine
The role of Fox-1 in neurodevelopment and autistic spectrum disorder	$145,757	Q2.Other	University of California, Los Angeles
Neural mechanisms underlying an extended multisensory temporal binding window in ASD	$0	Q2.Other	Vanderbilt University
Dendritic organization within the cerebral cortex in autism	$0	Q2.Other	The Open University
The role of CNTNAP2 in embryonic neural stem cell regulation	$75,000	Q2.Other	Johns Hopkins University School of Medicine
A functional genomic analysis of the cerebral cortex	$85,471	Q2.Other	University of California, Los Angeles
Face perception: Mapping psychological spaces to neural responses	$79,992	Q2.Other	Stanford University
Development of the functional neural systems for face expertise	$505,729	Q2.Other	University of California, San Diego
Defining cells and circuits affected in autism spectrum disorders	$669,298	Q2.Other	The Rockefeller University
Integrative functions of the planum temporale	$479,898	Q2.Other	University of California, Irvine
Functional role of IL-6 in fetal brain development and abnormal behavior	$41,800	Q2.Other	California Institute of Technology
A comparative developmental connectivity study of face processing	$229,574	Q2.Other	Medical University of South Carolina
Functional neuroanatomy of developmental changes in face processing	$291,933	Q2.Other	Medical University of South Carolina
Engrailed genes and cerebellum morphology, spatial gene expression and circuitry	$470,003	Q2.Other	Memorial Sloan-Kettering Cancer Center
ACE Center: Systems connectivity + brain activation:imaging studies of language + perception	$426,284	Q2.Other	University of Pittsburgh
Neurexin-neuroligin trans-synaptic interaction in learning and memory	$200,000	Q2.Other	Columbia University
Role of neurexin in the amygdala and associated fear memory	$25,000	Q2.Other	Columbia University
MEG investigation of the neural substrates underlying visual perception in autism	$128,798	Q2.Other	Massachusetts General Hospital
Excessive cap-dependent translation as a molecular mechanism underlying ASD	$0	Q2.Other	New York University
Multimodal brain imaging in autism spectrum disorders	$167,832	Q2.Other	University of Washington
Atypical late neurodevelopment in autism: A longitudinal MRI and DTI study	$469,620	Q2.Other	University of Utah
The microstructural basis of abnormal connectivity in autism	$332,991	Q2.Other	University of Utah

Project Title	Funding	Strategic Plan Objective	Institution
Atypical late neurodevelopment in autism: A longitudinal MRI and DTI study (supplement)	$154,416	Q2.Other	University of Utah
Function and structure adaptations in forebrain development	$541,770	Q2.Other	University of Southern California
Neurodevelopmental mechanisms of social behavior	$331,208	Q2.Other	University of Southern California
Neurodevelopmental mechanisms of social behavior (supplement)	$198,063	Q2.Other	University of Southern California
Neurobiological correlates of language dysfunction in autism spectrum disorders	$535,464	Q2.Other	The Mind Research Network
The cognitive neuroscience of autism spectrum disorders	$1,102,811	Q2.Other	National Institutes of Health
Multimodal analyses of face processing in autism & down syndrome	$182,882	Q2.Other	University of Massachusetts Medical School
Cerebellar modulation of frontal cortical function	$309,686	Q2.Other	University of Memphis
Linguistic perspective-taking in adults with high-functioning autism: Investigation of the mirror neuron system	$0	Q2.Other	Carnegie Mellon University
Sensory processing and integration in autism	$550,283	Q2.Other	Albert Einstein College of Medicine of Yeshiva University
Social behavior deficits in autism: Role of amygdala	$92,074	Q2.Other	State University of New York Upstate Medical Center
Motor control and cerebellar maturation in autism	$157,148	Q2.Other	University of Texas Southwestern Medical Center
fMRI studies of cerebellar functioning in autism	$0	Q2.Other	University of Illinois at Chicago
Motor skill learning in autism	$412,236	Q2.Other	Kennedy Krieger Institute
Novel approaches for investigating the neurology of autism: Detailed morphometric analysis and correlation with motor impairment	$0	Q2.Other	Kennedy Krieger Institute
Behavioral and functional neuroimaging investigations of visual perception and cognition in autistics	$0	Q2.Other	Université de Montréal
Linking local activity and functional connectivity in autism	$365,655	Q2.Other	San Diego State University
Experience and cognitive development in infancy	$100,798	Q2.Other	University of California, Davis
Infants' developing representation of object function	$0	Q2.Other	University of California, Davis
Development of ventral stream organization	$137,338	Q2.Other	University of Pittsburgh
Investigation of social brain circuits in mouse models of the 16p11.2 locus	$87,500	Q2.Other	Cold Spring Harbor Laboratory
Behavioral and neural processing of faces and expressions in nonhuman primates	$435,600	Q2.Other	Emory University
ACE Center: Disturbances of affective contact: Development of brain mechanisms for emotion	$157,294	Q2.Other	University of Pittsburgh
Synaptic processing in the basal ganglia	$378,166	Q2.Other	University of Washington
Brain circuitry in simplex autism	$0	Q2.Other	Washington University in St. Louis

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ACE Center: Imaging the autistic brain before it knows it has autism	$197,682	Q2.Other	University of California, San Diego
Neural basis of empathy and its dysfunction in autism spectrum disorders (ASD)	$0	Q2.Other	Duke University
Neuroligin, oxidative stress and autism	$75,000	Q2.Other	Oklahoma Medical Research Foundation
Brain bases of language deficits in SLI and ASD	$651,988	Q2.Other	Massachusetts Institute of Technology
Neurobiological signatures of audiovisual speech perception in children in ASD	$240,420	Q2.Other	Haskins Laboratories, Inc.
Transcriptional responsiveness in lymphoblastoid cell lines	$52,863	Q2.Other	University of Pennsylvania
Cortical microcircuit dysfunction as a result of MET deficiency: A link to autism	$33,955	Q2.Other	Northwestern University
Learning and plasticity in the human brain	$286,110	Q2.Other	National Institutes of Health
PI3K/mTOR signaling as a novel biomarker and therapeutic target in autism	$100,000	Q2.Other	Emory University
Eye movement dynamics in autism spectrum disorders	$42,350	Q2.Other	Carnegie Mellon University
Early expression of autism spectrum disorder in experimental animals	$54,000	Q2.Other	Neurochlore
Controlling interareal gamma coherence by optogenetics, pharmacology and behavior	$83,521	Q2.Other	Massachusetts Institute of Technology
Neurobehavioral investigation of tactile features in autism spectrum disorders	$159,480	Q2.Other	Vanderbilt University
Corticothalamic circuit interactions in autism	$50,000	Q2.Other	Boston Children's Hospital
Abnormal connectivity in autism	$15,000	Q2.Other	University of California, Los Angeles
Neural mechanisms of imitative behavior: Implications for mental health	$32,696	Q2.Other	University of California, Los Angeles
Behavioral and neural correlates of reward motivation in children with autism spectrum disorders	$27,554	Q2.Other	University of North Carolina at Chapel Hill
Functional analysis of EFR3A mutations associated with autism	$31,250	Q2.Other	Yale University
Functional properties and directed connectivity in the face-processing network	$53,042	Q2.Other	Yale University
EEG-based assessment of functional connectivity in autism	$175,176	Q2.Other	Kennedy Krieger Institute
Molecular controls over callosal projection neuron subtype specification and diversity	$41,800	Q2.Other	Harvard University
Enhancing neurobehavioural and clinical definitions in autism spectrum disorders	$14,000	Q2.Other	Monash University
Preference acquisition in children and adolescents with and without autism spectrum disorder	$28,000	Q2.Other	Dalhousie University

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CAREER: Statistical models and classification of time-varying shape	$404,961	Q2.Other	University of Utah
Diffuse optical brain imaging	$182,022	Q2.Other	National Institutes of Health
RI: Small: Addressing visual analogy problems on the raven's intelligence test	$165,546	Q2.Other	Georgia Tech Research Corporation
Role of negative regulators of FGF signaling in frontal cortex development and autism	$0	Q2.Other	University of California, San Francisco
Monolingual and bilingual infants' sensitivity to agreement morphology in Spanish	$143,650	Q2.Other	Florida International University
Using fruit flies to map the network of autism-associated genes	$31,249	Q2.Other	University of California, San Diego
Cerebellar plasticity and learning in a mouse model of autism	$31,250	Q2.Other	University of Chicago
Perturbed cortical patterning in autism	$0	Q2.Other	Seattle Children's Hospital
Structural brain differences between autistic and typically-developing siblings	$13,020	Q2.Other	Stanford University
Vasopressin receptor polymorphism and social cognition	$373,005	Q2.Other	Agnes Scott College
Proteome and interaction networks in autism	$31,250	Q2.Other	Harvard Medical School
High throughput screen for small molecule probes for neural network development	$405,000	Q2.Other	Johns Hopkins University
Stimulus-driven attention deficits in autism	$60,000	Q2.Other	University of Minnesota
Macrocephalic autism: Exploring and exploiting the role of PTEN	$28,000	Q2.Other	University of Wisconsin - Madison
The neural basis of weak central coherence in autism spectrum disorders	$13,040	Q2.Other	Yale University
Investigating brain connectivity in autism at the whole-brain level	$90,000	Q2.Other	California Institute of Technology
Roles of miRNAs in regulation of Foxp2 and in autism	$0	Q2.Other	Louisiana State University
MTHFR functional polymorphism C677T and genomic instability in the etiology of idiopathic autism in simplex families	$114,984	Q2.Other	Queen's University
Cochlear efferent feedback and hearing-in-noise perception in autism	$186,794	Q2.Other	University of Rochester
Behavioral and neural responses to emotional faces in individuals with ASD	$14,935	Q2.Other	Harvard University
Cellular density and morphology in the autistic temporal human cerebral cortex	$345,910	Q2.Other	University of California, Davis
Social brain networks for the detection of agents and intentions	$413,750	Q2.Other	Yale University
Neural underpinning of emotion perception and its disorders	$15,000	Q2.Other	Dartmouth College

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Mathematical cognition in autism: A cognitive and systems neuroscience approach	$657,886	Q2.Other	Stanford University
Decoding 'what' and 'who' in the auditory system of children with autism spectrum disorders	$237,000	Q2.Other	Stanford University
Alterations in brain-wide neuroanatomy in autism mouse models	$0	Q2.Other	Cold Spring Harbor Laboratory
How autism affects speech understanding in multitalker environments	$143,264	Q2.Other	University of Maryland, College Park
Deciphering the function and regulation of AUTS2	$28,000	Q2.Other	University of California, San Francisco
White matter glial pathology in autism	$145,689	Q2.Other	East Tennessee State University
Diffusion tensor MR spectroscopic imaging in human brain	$185,213	Q2.Other	University of New Mexico Health Sciences Center
Frontostriatal synaptic dysfunction in a model of autism	$48,398	Q2.Other	Stanford University
Multisensory integration in children with ASD	$229,813	Q2.Other	University of California, Davis